

IN THE CLAIMS

Please amend Claims 18, 20-22 as shown below in clean form.

- 1 18. The method of claim 6, wherein the expected time for each of the plurality of
2 vehicles to be detected by reader is calculated by:

$$\text{ExpSpeed}[V_i, S_j] = \min(\text{StartSpeed}[V_i, S_j], \text{HighSpeed}[S_j])$$

$$\text{ExpTime}[V_i, S_j] = \frac{\text{Length}[S_j]}{\text{ExpSpeed}[V_i, S_j]}$$

3
4
5 where,

6 V_i is a vehicle entering a road segment S_j ;

7 $\text{ExpTime}[V_i, S_j]$ = expected time for V_i to be detected;

8 $\text{StartSpeed}[V_i, S_j]$ = starting speed of V_i at the beginning of segment S_j ;

9 $\text{ExpSpeed}[V_i, S_j]$ = expected speed over segment S_j ;

10 $\text{HighSpeed}[S_j]$ = average legal speed limit over the segment starting at S_j ;

11 and

12 $\text{Length}[S_j]$ = length of the segment starting at S_j .

- 1 20. The method of claim 18, wherein a difference between the expected and actual
2 link travel time for each of the plurality of vehicles is calculated by:

$$\text{Diff}[V_i, S_j] = \frac{\max\left(\text{ActualTime}[V_i, S_j], \frac{\text{Length}[S_j]}{\text{HighSpeed}[S_j]}\right) - \text{ExpTime}[V_i, S_j]}{\text{ExpTime}[V_i, S_j]} \times 100\%;$$

3
4 where:

5 $\text{ActualTime}[V_i, S_j]$ = actual time for V_i to travel over segment S_j .

- 1 21. The method of claim 18, wherein the starting speed of V_i is calculated by:

2 $StartSpeed [V_i S_j]$ = average speed of V_i over a prior segment.

1 22. The method of claim 18, wherein the starting speed of V_i is calculated by:

2 $StartSpeed [V_i S_j]$ = instantaneous speed of V_i at the start of S_j measured by a toll

3 gateway speed sensor.
